

#### ABSTRACT OF THE DISCLOSURE

The invention relates to a method for simulating the driving behavior of vehicles on a test stand in which the engine of the vehicle is coupled on the test stand to an electronically controllable braking apparatus and a simulation model calculates simulation values of variables which are representative of the driving state of the vehicle in that the reaction of the vehicle to the behavior of the engine and the values of the variables as determined immediately prior thereto are calculated, with at least the vehicle speed and the slip occurring in the driving wheels being calculated as variables. An improved calculation can be achieved in such a way that for controlling the braking apparatus a virtual vehicle speed is used which is changed by a corrective value which depends on the slip.

Fig. 1